

WHAT IS CLAIMED IS:

1. A method for the treatment or prevention of pain or inflammation in a subject, comprising administering to the subject a Cox-2 inhibitor and a polyunsaturated fatty acid.

5 2. The method according to claim 1, further comprising administering chondroitin to the subject.

3. The method according to claim 1, further comprising administering glucosamine to the subject.

10 4. The method according to claim 1, further comprising administering chondroitin and glucosamine to the subject.

5. The method according to claim 1, wherein the Cox-2 inhibitor comprises a Cox-2 selective inhibitor.

15 6. The method according to claim 5, wherein the Cox-2 selective inhibitor comprises at least one compound that is selected from the group consisting of celecoxib, parecoxib, deracoxib, valdecoxib, etoricoxib, meloxicam, rofecoxib, lumiracoxib, prodrugs of any of them, and mixtures thereof.

7. The method according to claim 5, wherein the Cox-2 selective inhibitor comprises celecoxib.

20 8. The method according to claim 5, wherein the Cox-2 selective inhibitor comprises a chromene Cox-2 selective inhibitor.

9. The method according to claim 8, wherein the chromene Cox-2 selective inhibitor comprises at least one compound selected from the group consisting of

25 (S)-6-chloro-7-(1,1-dimethylethyl)-2-(trifluoromethyl)-2H-1-benzopyran-3-carboxylic acid,
 (2S)-6,8-dimethyl-2-(trifluoromethyl)-2H-chromene-3-carboxylic acid,
 (2S)-6-chloro-8-methyl-2-(trifluoromethyl)-2H-chromene-3-carboxylic acid,
 (2S)-8-ethyl-6-(trifluoromethoxy)-2-(trifluoromethyl)-2H-chromene-3-
30 carboxylic acid,
 (S)-6,8-dichloro-2-(trifluoromethyl)-2H-1-benzopyran-3-carboxylic acid,

(2S)-6-chloro-5,7-dimethyl-2-(trifluoromethyl)-2H-chromene-3-carboxylic acid, and mixtures thereof.

10. The method according to claim 1, wherein the polyunsaturated fatty acid comprises an omega-3 fatty acid.

5 11. The method according to claim 10, wherein the omega-3 fatty acid comprises at least one compound selected from the group consisting of alpha-linolenic acid, stearidonic acid, eicosatetraenoic acid, eicosapentaenoic acid, docosapentaenoic acid, and docosahexaenoic acid, and mixtures thereof.

10 12. The method according to claim 10, wherein the omega-3 fatty acid comprises at least one compound selected from the group consisting of eicosapentaenoic and docosahexaenoic acid, and mixtures thereof.

15 13. The method according to claim 2, wherein the chondroitin comprises chondroitin sulfate.

14. The method according to claim 3, wherein the glucosamine is selected from the group consisting of glucosamine; glucosamine salts of hydrochloric, sulfuric, phosphoric, or other pharmaceutically acceptable acid; glucosamine-2-sulfate; glucosamine-3-sulfate; glucosamine-6-sulfate; glucosamine-2,3-disulfate; glucosamine-2,6-disulfate; glucosamine-3,6-disulfate; glucosamine-3,4,6-trisulfate; glucosamine pentaacetate; glucosamine-1-phosphate; glucosamine-6-phosphate; N-acetylglucosamine-6-phosphate; N-acetylglucosamine-1-phosphate; N-acetyl-D-glucosamine; uridine diphosphate (UDP)-N-acetylglucosamine; and mixtures thereof.

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15. The method according to claim 1, wherein the subject is in need of the prevention or treatment of pain or inflammation.

16. The method according to claim 1, wherein the subject is in need of the prevention or treatment of an inflammation-related disorder.

30 17. The method according to claim 16, wherein the inflammation-related disorder is one that is selected from the group consisting of connective tissue and joint disorders, pain and pain-related disorders,

neoplasia disorders, cardiovascular disorders, otic disorders, ophthalmic disorders, respiratory disorders, gastrointestinal disorders, angiogenesis-related disorders, immunological disorders, allergic disorders, nutritional disorders, infectious diseases and disorders, endocrine disorders,
5 metabolic disorders, neurological and neurodegenerative disorders, psychiatric disorders, hepatic and biliary disorders, musculoskeletal disorders, genitourinary disorders, gynecologic and obstetric disorders, injury and trauma disorders, surgical disorders, dental and oral disorders, sexual dysfunction disorders, dermatologic disorders, hematological
10 disorders, and poisoning disorders.

18. A therapeutic composition comprising a Cox-2 inhibitor and a polyunsaturated fatty acid.

19. The therapeutic composition according to claim 18, further comprising chondroitin.

15 20. The therapeutic composition according to claim 18, further comprising glucosamine.

21. The therapeutic composition according to claim 18, further comprising chondroitin and glucosamine.

22. A pharmaceutical composition comprising a Cox-2 inhibitor,
20 a polyunsaturated fatty acid, and a pharmaceutically-acceptable excipient.

23. The pharmaceutical composition according to claim 22, further comprising chondroitin.

24. The pharmaceutical composition according to claim 22, further comprising glucosamine.

25 25. The pharmaceutical composition according to claim 22, further comprising chondroitin and glucosamine.

26. A kit comprising one dosage form comprising a Cox-2 inhibitor and a second dosage form comprising a polyunsaturated fatty acid.

30 27. The kit according to claim 26, further comprising a third dosage form comprising chondroitin.

28. The kit according to claim 26, further comprising a fourth dosage form comprising glucosamine.

29. The kit according to claim 26, further comprising a third dosage form comprising chondroitin and a fourth dosage form comprising glucosamine.

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